## INTERNATIONAL SEARCH REPORT

Intern al Application No

PCT/TR2004/000033 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F01B9/02 F16H F16H21/46 E05F15/12 B23B39/16 B23Q1/54 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 F01B E05F B23Q B23B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category • Relevant to claim No. X DE 25 52 258 A1 (GRUEKO KONSTRUKTIONEN 1,2,21, GMBH) 2 June 1977 (1977-06-02) abstract; figures X EP 0 402 967 A (SALVAGNINI TRANSFERICA S.P.A) 19 December 1990 (1990-12-19) 1,27 29-32 the whole document X US 4 656 788 A (RHOADES ET AL) 1,27,29 14 April 1987 (1987-04-14) the whole document X US 4 733 432 A (NOVOSELSKY ET AL) 1,2,27, 29 March 1988 (1988-03-29) the whole document -/--X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international invention \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date \*L¹ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention °O° document referring to an oral disclosure, use, exhibition or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. document published prior to the International filing date but later than the priority date claimed \*&\* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 9 May 2005 20/05/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016 Westhues, T

## INTERNATIONAL SEARCH REPORT

Intern I Application No
PCT/TR2004/00033

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/TR2004/000033		
Category •	Citation of document, with Indication, where appropriate, of the relevant passages	Polonost		
		Relevant to claim No.		
X	US 4 798 024 A (GRIMM ET AL) 17 January 1989 (1989-01-17) column 3, lines 7-68; figure 1	1,2,5,6, 27		
X	US 5 163 789 A (WEBER ET AL) 17 November 1992 (1992-11-17) column 3, line 33 - column 4, line 8; figures	27,29		
A	DE 198 12 789 A1 (RICHTER, JOACHIM) 30 September 1999 (1999-09-30) the whole document	1-58		
A	US 6 154 916 A (AYERS ET AL) 5 December 2000 (2000-12-05)			
	(continuation of second sheet) (January 2004)			

## INTERNATIONAL SEARCH REPORT

Information on	patent	family	members
----------------	--------	--------	---------

Intern and Application No
PCT/TR2004/000033

Illy Publication

Patent do						PCT/TR2004/000033	
cited in sear	ch report	Publication date		Patent family member(s)		Publication date	
DE 2552	258 A1	02-06-1977	NONE				
EP 0402	967 A	19-12-1990	IT	1230288	В	18-10-199	
			EP 	0402967	A1	19-12-199	
US 4656	788 A	14-04-1987	CA	1242901	A1	11-10-1988	
			DE	3568847	D1	20-04-1989	
			EP	0178072	A1	16-04-1986	
			JP	2111907		21-11-1996	
			JP	8000360		10-01-199	
~~~~~			JP 	61168468	Α	30-07-1986	
US 47334	32 A	29-03-1988	NONE				
US 47980	24 A	17-01-1989	DE	3424918	Δ1	16-01-1986	
			EP	0167841	A2	15-01-1986	
			JP	61033853	A	17-02-1986	
US 51637	89 A	17-11-1992	DE	4009735	A1	12-09-1991	
			AT	104883	T	15-05-1994	
			BR		Α	05-11-1991	
			DE	59005537	D1	01-06-1994	
			EP	0445404		11-09-1991	
			ES		T3	01-09-1994	
			HU	58588		30-03-1992	
			JP JP	2518970	B2	31-07-1996	
			DP PT	4217451	A _	07-08-1992	
			RU	96957	A,B	29-01-1993	
				2032540	C1	10-04-1995	
DE 19812	789 Al	30-09-1999 	NONE				
US 61549	16 A	05-12-2000	NONE			************	